

Day : Tuesday
Date: 3/1/2005
Time: 13:42:08

**PALM INTRANET****Inventor Information for 10/736732**

Inventor Name	City	State/Country
LIU, BAOSHUN	BEIJING	CHINA

Appln Info	Contents	Petition Info	Atty/Agent Info	Continuity Data	Foreign Data
------------	----------	---------------	-----------------	-----------------	--------------

Search Another: Application# **Search** **or Patent#** **Search**
PCT / **/** **Search** **or PG PUBS #** **Search**
Attorney Docket # **Search**
Bar Code # **Search**

To go back use Back button on your browser toolbar.

Back to [PALM](#) | [ASSIGNMENT](#) | [OASIS](#) | [Home page](#)

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	594	((514/262.1) or (544/256)).CCLS.	US-PGPUB; USPAT	OR	OFF	2005/03/01 12:48
L2	107	1 and \$methylpiperaz\$	US-PGPUB; USPAT	OR	ON	2005/03/01 12:50
L3	15	1 and \$dimethylpiperaz\$	US-PGPUB; USPAT	OR	ON	2005/03/01 12:50

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	942	((514/262.1) or (544/256,371)). CCLS.	US-PGPUB; USPAT	OR	OFF	2005/03/01 15:15
L2	28	1 and \$dimethylpiperaz\$	US-PGPUB; USPAT	OR	ON	2005/03/01 15:16

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	8	((("5250534") or ("5346901") or ("5719283") or ("6225315") or ("6200980") or ("6476078") or ("6743799") or ("20040106629"))).PN.	US-PGPUB; USPAT	OR	OFF	2005/03/01 13:27
L2	1	("6548508").PN.	US-PGPUB; USPAT	OR	OFF	2005/03/01 13:28
L3	9	1 2	US-PGPUB; USPAT	OR	ON	2005/03/01 13:28

10/736,732

Connecting via Winsock to STN

Welcome to STN International! Enter x:x

LOGINID:sssptal611txm

PASSWORD:

TERMINAL (ENTER 1, 2, 3, OR ?):2

* * * * * Welcome to STN International * * * * *

NEWS	1		Web Page URLs for STN Seminar Schedule - N. America
NEWS	2		"Ask CAS" for self-help around the clock
NEWS	3	SEP 01	New pricing for the Save Answers for SciFinder Wizard within STN Express with Discover!
NEWS	4	OCT 28	KOREAPAT now available on STN
NEWS	5	NOV 30	PHAR reloaded with additional data
NEWS	6	DEC 01	LISA now available on STN
NEWS	7	DEC 09	12 databases to be removed from STN on December 31, 2004
NEWS	8	DEC 15	MEDLINE update schedule for December 2004
NEWS	9	DEC 17	ELCOM reloaded; updating to resume; current-awareness alerts (SDIs) affected
NEWS	10	DEC 17	COMPUAB reloaded; updating to resume; current-awareness alerts (SDIs) affected
NEWS	11	DEC 17	SOLIDSTATE reloaded; updating to resume; current-awareness alerts (SDIs) affected
NEWS	12	DEC 17	CERAB reloaded; updating to resume; current-awareness alerts (SDIs) affected
NEWS	13	DEC 17	THREE NEW FIELDS ADDED TO IFIPAT/IFIUDB/IFICDB
NEWS	14	DEC 30	EPFULL: New patent full text database to be available on STN
NEWS	15	DEC 30	CAPLUS - PATENT COVERAGE EXPANDED
NEWS	16	JAN 03	No connect-hour charges in EPFULL during January and February 2005
NEWS	17	FEB 25	CA/CAPLUS - Russian Agency for Patents and Trademarks (ROSPATENT) added to list of core patent offices covered
NEWS	18	FEB 10	STN Patent Forums to be held in March 2005
NEWS	19	FEB 16	STN User Update to be held in conjunction with the 229th ACS National Meeting on March 13, 2005
NEWS	20	FEB 28	PATDPAFULL - New display fields provide for legal status data from INPADOC
NEWS	21	FEB 28	BABS - Current-awareness alerts (SDIs) available
NEWS	22	FEB 28	MEDLINE/LMEDLINE reloaded
NEWS EXPRESS			JANUARY 10 CURRENT WINDOWS VERSION IS V7.01a, CURRENT MACINTOSH VERSION IS V6.0c(ENG) AND V6.0Jc(JP), AND CURRENT DISCOVER FILE IS DATED 10 JANUARY 2005
NEWS HOURS			STN Operating Hours Plus Help Desk Availability
NEWS INTER			General Internet Information
NEWS LOGIN			Welcome Banner and News Items
NEWS PHONE			Direct Dial and Telecommunication Network Access to STN
NEWS WWW			CAS World Wide Web Site (general information)

Enter NEWS followed by the item number or name to see news on that

Thomas McKenzie

10/736,732

specific topic.

All use of STN is subject to the provisions of the STN Customer agreement. Please note that this agreement limits use to scientific research. Use for software development or design or implementation of commercial gateways or other similar uses is prohibited and may result in loss of user privileges and other penalties.

* * * * * STN Columbus * * * * *

FILE 'HOME' ENTERED AT 13:02:29 ON 01 MAR 2005

=> file reg

FILE 'REGISTRY' ENTERED AT 13:02:34 ON 01 MAR 2005

USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.

PLEASE SEE "HELP USAGETERMS" FOR DETAILS.

COPYRIGHT (C) 2005 American Chemical Society (ACS)

Property values tagged with IC are from the ZIC/VINITI data file provided by InfoChem.

STRUCTURE FILE UPDATES: 27 FEB 2005 HIGHEST RN 838819-79-7

DICTIONARY FILE UPDATES: 27 FEB 2005 HIGHEST RN 838819-79-7

TSCA INFORMATION NOW CURRENT THROUGH JANUARY 18, 2005

Please note that search-term pricing does apply when conducting SmartSELECT searches.

Crossover limits have been increased. See HELP CROSSOVER for details.

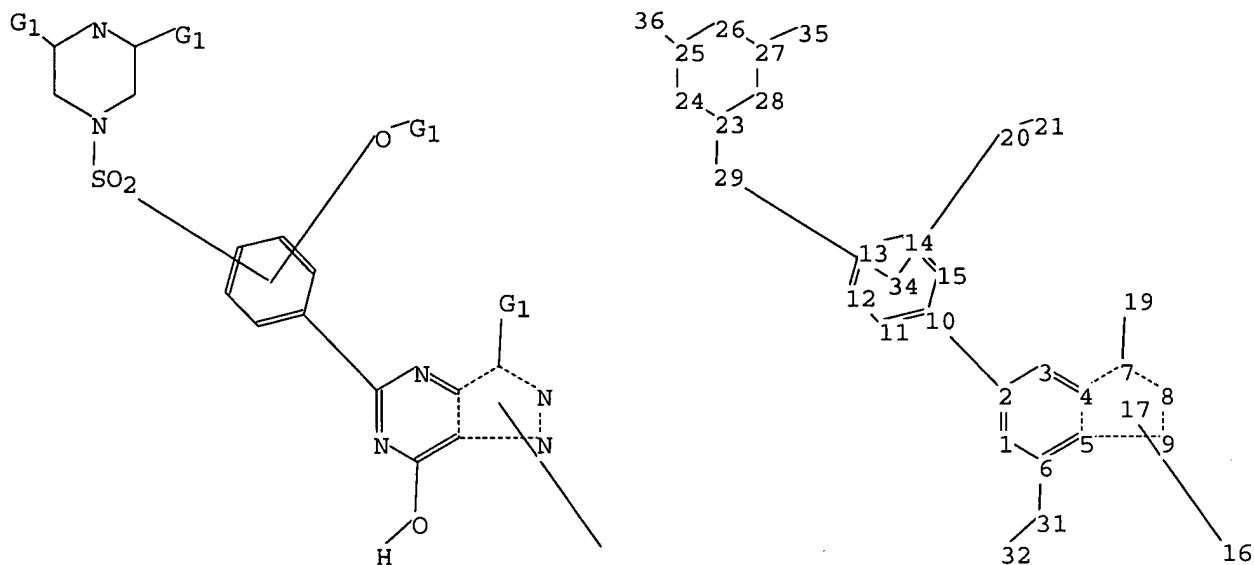
Experimental and calculated property data are now available. For more information enter HELP PROP at an arrow prompt in the file or refer to the file summary sheet on the web at:
<http://www.cas.org/ONLINE/DBSS/registryss.html>

=>

Uploading C:\Program Files\Stnexp\Queries\10736732a.str

Thomas McKenzie

10/736,732



chain nodes :

16 19 20 21 29 31 32 35 36

ring nodes :

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 23 24 25 26 27 28

chain bonds :

2-10 6-31 7-19 20-21 23-29 25-36 27-35 31-32

ring bonds :

1-2 1-6 2-3 3-4 4-5 4-7 5-6 5-9 7-8 8-9 10-11 10-15 11-12 12-13 13-14
14-15 23-24 23-28 24-25 25-26 26-27 27-28

exact/norm bonds :

4-5 4-7 5-9 6-31 7-8 7-19 8-9 20-21 23-24 23-28 23-29 24-25 25-26
25-36 26-27 27-28 27-35

exact bonds :

2-10 31-32

normalized bonds :

1-2 1-6 2-3 3-4 5-6 10-11 10-15 11-12 12-13 13-14 14-15

isolated ring systems :

containing 23 :

G1:CH₃,Et,n-Pr,i-Pr,n-Bu,i-Bu,s-Bu,t-Bu

Match level :

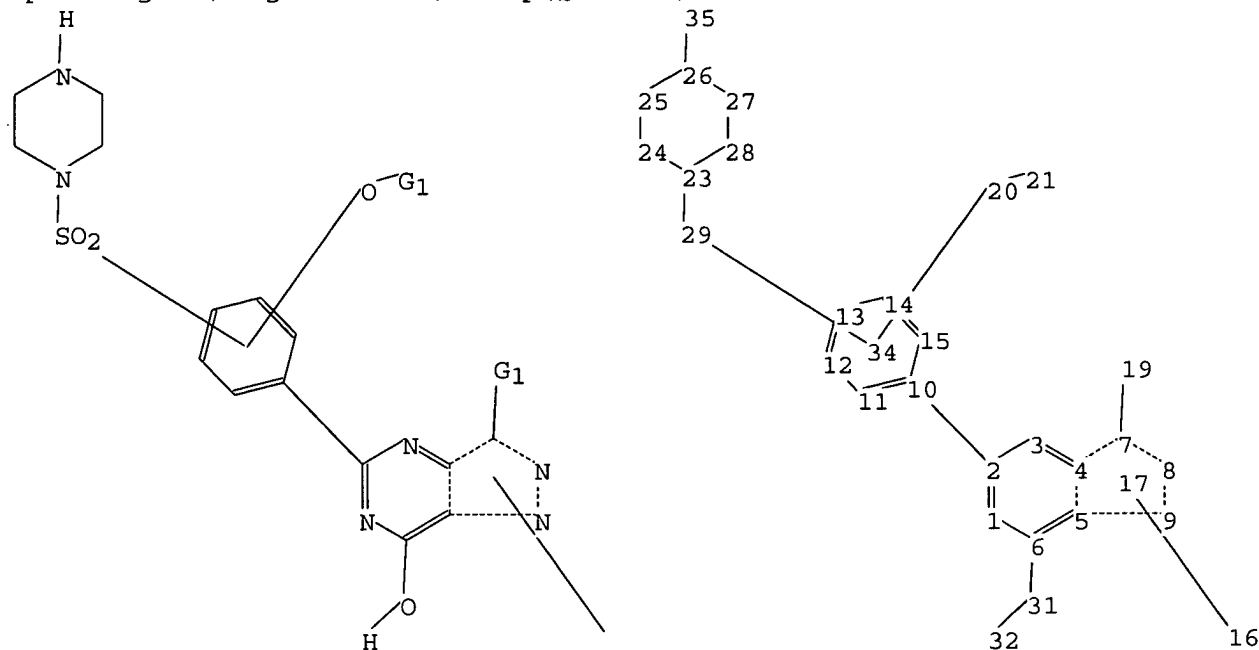
1:Atom 2:Atom 3:Atom 4:Atom 5:Atom 6:Atom 7:Atom 8:Atom 9:Atom 10:Atom
11:Atom 12:Atom 13:Atom 14:Atom 15:Atom 16:CLASS 17:CLASS 19:CLASS 20:CLASS
21:CLASS 23:Atom 24:Atom 25:Atom 26:Atom 27:Atom 28:Atom 29:CLASS 31:CLASS
32:CLASS 33:CLASS 34:CLASS 35:CLASS 36:CLASS

Thomas McKenzie

10/736,732

L1 STRUCTURE UPLOADED

```
=>
Uploading C:\Program Files\Stnexp\Queries\10736732.str
```



```

chain nodes :
16 19 20 21 29 31 32 35
ring nodes :
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 23 24 25 26 27 28
chain bonds :
2-10 6-31 7-19 20-21 23-29 26-35 31-32
ring bonds :
1-2 1-6 2-3 3-4 4-5 4-7 5-6 5-9 7-8 8-9 10-11 10-15 11-12 12-13 13-14
14-15 23-24 23-28 24-25 25-26 26-27 27-28
exact/norm bonds :
4-5 4-7 5-9 6-31 7-8 7-19 8-9 20-21 23-24 23-28 23-29 24-25 25-26
26-27 27-28
exact bonds :
2-10 26-35 31-32
normalized bonds :
1-2 1-6 2-3 3-4 5-6 10-11 10-15 11-12 12-13 13-14 14-15
isolated ring systems :
containing 23 :

```

G1: CH₃, Et, n-Pr, i-Pr, n-Bu, i-Bu, s-Bu, t-Bu

Thomas McKenzie

10/736,732

Match level :

1:Atom 2:Atom 3:Atom 4:Atom 5:Atom 6:Atom 7:Atom 8:Atom 9:Atom 10:Atom
11:Atom 12:Atom 13:Atom 14:Atom 15:Atom 16:CLASS 17:CLASS 19:CLASS 20:CLASS
21:CLASS 23:Atom 24:Atom 25:Atom 26:Atom 27:Atom 28:Atom 29:CLASS 31:CLASS
32:CLASS 33:CLASS 34:CLASS 35:CLASS

L2 STRUCTURE UPLOADED

=> s l2 sample; s l1 subset = l3 sample
SAMPLE SEARCH INITIATED 13:03:49 FILE 'REGISTRY'
SAMPLE SCREEN SEARCH COMPLETED - 35 TO ITERATE

100.0% PROCESSED 35 ITERATIONS 5 ANSWERS
SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS: ONLINE **COMPLETE**
BATCH **COMPLETE**
PROJECTED ITERATIONS: 346 TO 1054
PROJECTED ANSWERS: 5 TO 234

L3 5 SEA SSS SAM L2

SAMPLE SUBSET SEARCH INITIATED 13:03:50 FILE 'REGISTRY'
SAMPLE SUBSET SCREEN SEARCH COMPLETED - 5 TO ITERATE

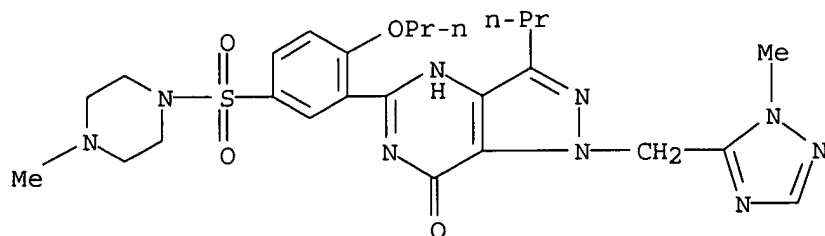
100.0% PROCESSED 5 ITERATIONS 0 ANSWERS
SEARCH TIME: 00.00.01

PROJECTIONS (WITHIN SPECIFIED SUBSET): ONLINE **COMPLETE**
PROJECTED ITERATIONS (WITHIN SPECIFIED SUBSET): 5 TO 234
PROJECTED ANSWERS (WITHIN SPECIFIED SUBSET): 0 TO 0

L4 0 SEA SUB=L3 SSS SAM L1

=> d l3 scan

L3 5 ANSWERS REGISTRY COPYRIGHT 2005 ACS on STN
IN Piperazine, 1-[[3-[4,7-dihydro-1-[(1-methyl-1H-1,2,4-triazol-5-yl)methyl]-
7-oxo-3-propyl-1H-pyrazolo[4,3-d]pyrimidin-5-yl]-4-propoxyphenyl]sulfonyl]-
4-methyl- (9CI)
MF C26 H35 N9 O4 S



Thomas McKenzie

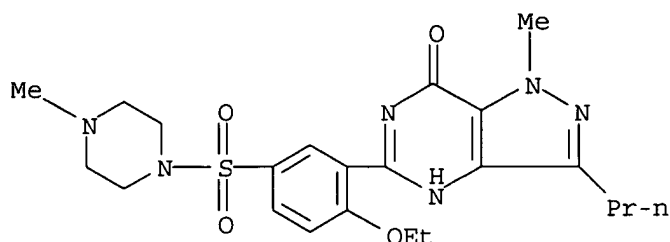
10/736,732

PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

HOW MANY MORE ANSWERS DO YOU WISH TO SCAN? (1):4

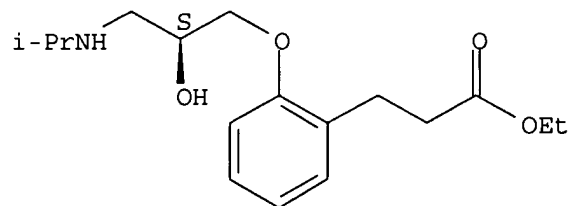
L3 5 ANSWERS REGISTRY COPYRIGHT 2005 ACS on STN
IN Benzenepropanoic acid, 2-[(2S)-2-hydroxy-3-[(1-methylethyl)amino]propoxy]-
, ethyl ester, hydrochloride, mixt. with 1-[[3-(4,7-dihydro-1-methyl-7-oxo-
3-propyl-1H-pyrazolo[4,3-d]pyrimidin-5-yl)-4-ethoxyphenyl]sulfonyl]-4-
methylpiperazine (9CI)
MF C22 H30 N6 O4 S . C17 H27 N O4 . Cl H
CI MXS

CM 1



CM 2

Absolute stereochemistry. Rotation (-).



● HCl

L3 5 ANSWERS REGISTRY COPYRIGHT 2005 ACS on STN
IN Piperazine, 1-[[3-[1-[(4-chlorophenyl)methyl]-4,7-dihydro-7-oxo-3-propyl-
1H-pyrazolo[4,3-d]pyrimidin-5-yl]-4-propoxyphenyl]sulfonyl]-4-methyl-
(9CI)
MF C29 H35 Cl N6 O4 S

Thomas McKenzie

IN 1-Piperazinepropanoic acid, 4-[[3-(4,7-dihydro-1-methyl-7-oxo-3-propyl-1H-pyrazolo[4,3-d]pyrimidin-5-yl)-4-propoxyphenyl]sulfonyl]-(9CI)

MF C25 H34 N6 O6 S

IN 1-Piperazineethanol, 4-[[[3-[4,7-dihydro-1-[(2-nitrophenyl)methyl]-7-oxo-3-propenyl]-1H-pyrazolo[4,3-d]pyrimidin-5-yl]]-4-propoxyphenyl]sulfonyl]-(9CI)

MF C30 H37 N7 O7 S

10/736,732

FULL SEARCH INITIATED 13:05:08 FILE 'REGISTRY'
FULL SCREEN SEARCH COMPLETED - 808 TO ITERATE

100.0% PROCESSED 808 ITERATIONS
SEARCH TIME: 00.00.01

148 ANSWERS

L5 148 SEA SSS FUL L2

FULL SUBSET SEARCH INITIATED 13:05:09 FILE 'REGISTRY'
FULL SUBSET SCREEN SEARCH COMPLETED - 0 TO ITERATE

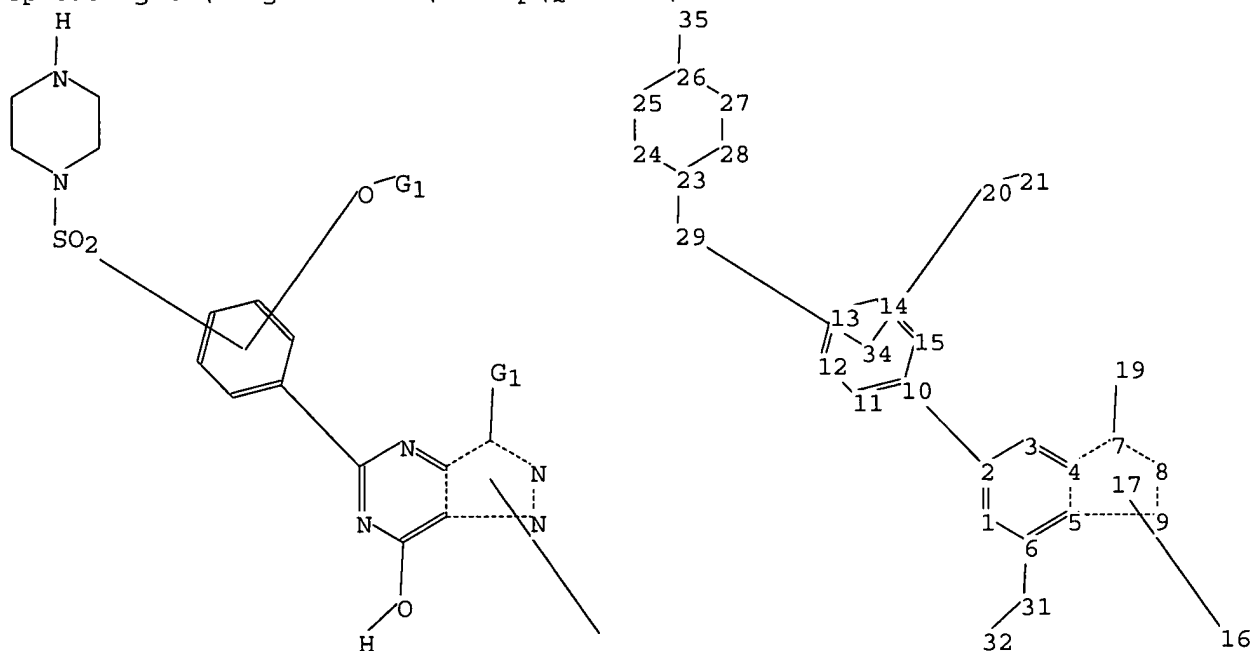
100.0% PROCESSED 0 ITERATIONS
SEARCH TIME: 00.00.01

0 ANSWERS

L6 0 SEA SUB=L4 SSS FUL L1

=>

Uploading C:\Program Files\Stnexp\Queries\10736732.str



chain nodes :

16 19 20 21 29 31 32 35

ring nodes :

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 23 24 25 26 27 28

chain bonds :

2-10 6-31 7-19 20-21 23-29 26-35 31-32

ring bonds :

Thomas McKenzie

10/736,732

1-2 1-6 2-3 3-4 4-5 4-7 5-6 5-9 7-8 8-9 10-11 10-15 11-12 12-13 13-14
14-15 23-24 23-28 24-25 25-26 26-27 27-28

exact/norm bonds :

4-5 4-7 5-9 6-31 7-8 7-19 8-9 20-21 23-24 23-28 23-29 24-25 25-26
26-27 27-28

exact bonds :

2-10 26-35 31-32

normalized bonds :

1-2 1-6 2-3 3-4 5-6 10-11 10-15 11-12 12-13 13-14 14-15

isolated ring systems :

containing 23 :

G1:CH3,Et,n-Pr,i-Pr,n-Bu,i-Bu,s-Bu,t-Bu

Match level :

1:Atom 2:Atom 3:Atom 4:Atom 5:Atom 6:Atom 7:Atom 8:Atom 9:Atom 10:Atom
11:Atom 12:Atom 13:Atom 14:Atom 15:Atom 16:CLASS 17:CLASS 19:CLASS 20:CLASS
21:CLASS 23:Atom 24:Atom 25:Atom 26:Atom 27:Atom 28:Atom 29:CLASS 31:CLASS
32:CLASS 33:CLASS 34:CLASS 35:CLASS

L7 STRUCTURE UPLOADED

=> s l1 subset = 15

ENTER SUBSET SEARCH SCOPE - SAMPLE, FULL, RANGE, OR (END):full

FULL SUBSET SEARCH INITIATED 13:07:46 FILE 'REGISTRY'

FULL SUBSET SCREEN SEARCH COMPLETED - 148 TO ITERATE

100.0% PROCESSED 148 ITERATIONS

1 ANSWERS

SEARCH TIME: 00.00.01

L8 1 SEA SUB=L5 SSS FUL L1

=> d ide cbib pi

L8 ANSWER 1 OF 1 REGISTRY COPYRIGHT 2005 ACS on STN

RN 496835-35-9 REGISTRY

CN Piperazine, 1-[[3-(4,7-dihydro-1-methyl-7-oxo-3-propyl-1H-pyrazolo[4,3-d]pyrimidin-5-yl)-4-ethoxyphenyl]sulfonyl]-3,5-dimethyl-, (3R,5S)-rel-(9CI) (CA INDEX NAME)

FS STEREOSEARCH

MF C23 H32 N6 O4 S

SR CA

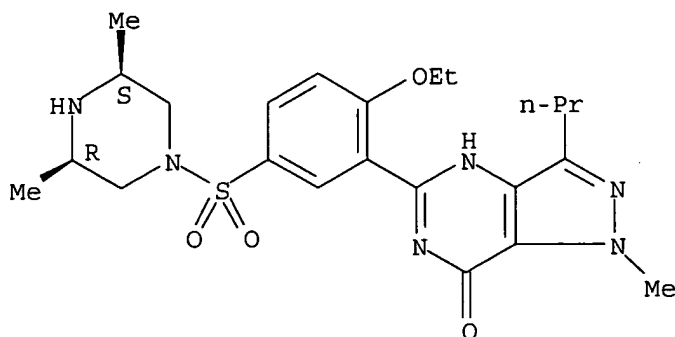
LC STN Files: CA, CAPLUS, CASREACT, TOXCENTER, USPATFULL

DT.CA Caplus document type: Patent

RL.P Roles from patents: BIOL (Biological study); PREP (Preparation); USES (Uses)

Relative stereochemistry.

Thomas McKenzie



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

1 REFERENCES IN FILE CA (1907 TO DATE)

1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

REFERENCE 1: 138:153550 Preparation of pyrazolopyrimidine derivatives for treatment of impotence. Liu, Baoshun (Peop. Rep. China). PCT Int. Appl. WO 2003016313 A1 20030227, 20 pp. DESIGNATED STATES: W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM; RW: AT, BE, BF, BJ, CF, CG, CH, CI, CM, CY, DE, DK, ES, FI, FR, GA, GB, GR, IE, IT, LU, MC, ML, MR, NE, NL, PT, SE, SN, TD, TG, TR. (Chinese). CODEN: PIXXD2. APPLICATION: WO 2002-CN433 20020621.

PRIORITY: CN 2001-129691 20010629; CN 2002-100198 20020118.
PATENT NO. KIND DATE APPLICATION NO. DATE

PI	WO 2003016313	A1	20030227	WO 2002-CN433	20020621
	W:	AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM			
	RW:	GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG			
	CN 1393444	A	20030129	CN 2002-100198	20020118
	CN 1127506	B	20031112		
	EP 1400522	A1	20040324	EP 2002-754139	20020621
	R:	AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR			
	BR 2002011025	A	20041019	BR 2002-11025	20020621
	JP 2005500381	T2	20050106	JP 2003-521235	20020621
	HK 1053108	A1	20040402	HK 2003-105310	20030723
	US 2004152709	A1	20040805	US 2003-736732	20031216

=> s 17 subset = 15 full

FULL SUBSET SEARCH INITIATED 13:09:21 FILE 'REGISTRY'

FULL SUBSET SCREEN SEARCH COMPLETED - 148 TO ITERATE

Thomas McKenzie

10/736,732

100.0% PROCESSED 148 ITERATIONS
SEARCH TIME: 00.00.01

6 ANSWERS

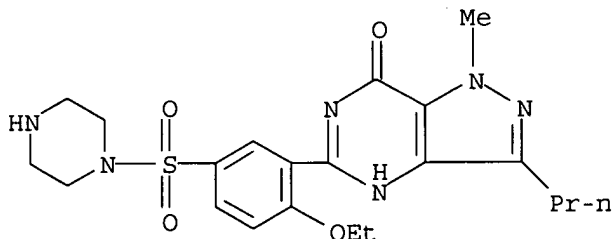
L9 6 SEA SUB=L5 SSS FUL L7

=> d 1-6 ide cbib pi

L9 ANSWER 1 OF 6 REGISTRY COPYRIGHT 2005 ACS on STN
RN 586350-07-4 REGISTRY
CN Piperazine, 1-[[3-(4,7-dihydro-1-methyl-7-oxo-3-propyl-1H-pyrazolo[4,3-d]pyrimidin-5-yl)-4-ethoxyphenyl]sulfonyl]-, nitrate (9CI) (CA INDEX NAME)
MF C21 H28 N6 O4 S . x H N O3
SR CA
LC STN Files: CA, CAPLUS, TOXCENTER
DT.CA Caplus document type: Patent
RL.P Roles from patents: BIOL (Biological study); PREP (Preparation); USES (Uses)

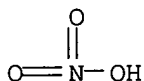
CM 1

CRN 139755-82-1
CMF C21 H28 N6 O4 S



CM 2

CRN 7697-37-2
CMF H N O3



1 REFERENCES IN FILE CA (1907 TO DATE)
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

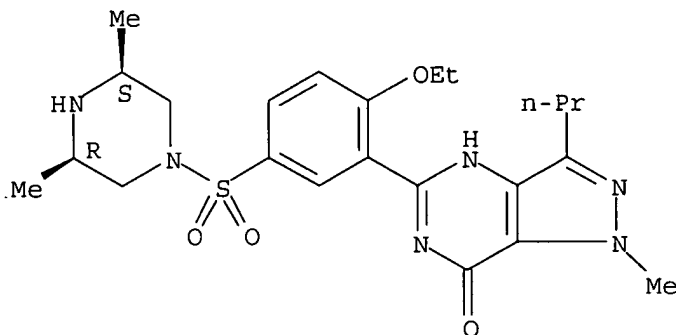
REFERENCE 1: 139:214237 Preparation of nitrate prodrugs able to release nitric oxide in a controlled and selective way and their use for prevention and treatment of inflammatory, ischemic and proliferative diseases. Scaramuzzino, Giovanni (Italy). Eur. Pat. Appl. EP 1336602 A1 20030820, 313 pp. DESIGNATED STATES: R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR. (English). CODEN: EPXXDW. APPLICATION: EP 2002-425075 20020213.

Thomas McKenzie

10/736,732

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	EP 1336602	A1	20030820	EP 2002-425075	20020213
	R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR				
L9	ANSWER 2 OF 6 REGISTRY COPYRIGHT 2005 ACS on STN				
RN	496835-35-9 REGISTRY				
CN	Piperazine, 1-[[3-(4,7-dihydro-1-methyl-7-oxo-3-propyl-1H-pyrazolo[4,3-d]pyrimidin-5-yl)-4-ethoxyphenyl]sulfonyl]-3,5-dimethyl-, (3R,5S)-rel-(9CI) (CA INDEX NAME)				
FS	STEREOSEARCH				
MF	C23 H32 N6 O4 S				
SR	CA				
LC	STN Files: CA, CAPLUS, CASREACT, TOXCENTER, USPATFULL				
DT.CA	Caplus document type: Patent				
RL.P	Roles from patents: BIOL (Biological study); PREP (Preparation); USES (Uses)				

Relative stereochemistry.



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

1 REFERENCES IN FILE CA (1907 TO DATE)
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

REFERENCE 1: 138:153550 Preparation of pyrazolopyrimidine derivatives for treatment of impotence. Liu, Baoshun (Peop. Rep. China). PCT Int. Appl. WO 2003016313 A1 20030227, 20 pp. DESIGNATED STATES: W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM; RW: AT, BE, BF, BJ, CF, CG, CH, CI, CM, CY, DE, DK, ES, FI, FR, GA, GB, GR, IE, IT, LU, MC, ML, MR, NE, NL, PT, SE, SN, TD, TG, TR. (Chinese). CODEN: PIXXD2. APPLICATION: WO 2002-CN433 20020621. PRIORITY: CN 2001-129691 20010629; CN 2002-100198 20020118.

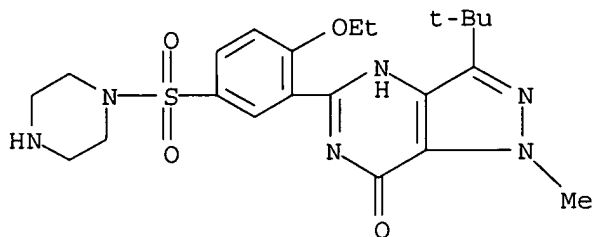
	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2003016313	A1	20030227	WO 2002-CN433	20020621
	W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS,				

Thomas McKenzie

10/736,732

LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL,
PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TN, TR, TT, TZ, UA,
UG, US, UZ, VN, YU, ZA, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM
RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AT, BE, CH,
CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR,
BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG
CN 1393444 A 20030129 CN 2002-100198 20020118
CN 1127506 B 20031112
EP 1400522 A1 20040324 EP 2002-754139 20020621
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT,
IE, SI, LT, LV, FI, RO, MK, CY, AL, TR
BR 2002011025 A 20041019 BR 2002-11025 20020621
JP 2005500381 T2 20050106 JP 2003-521235 20020621
HK 1053108 A1 20040402 HK 2003-105310 20030723
US 2004152709 A1 20040805 US 2003-736732 20031216

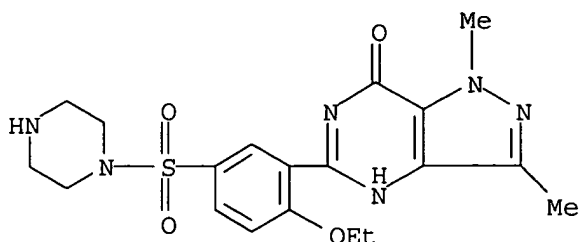
L9 ANSWER 3 OF 6 REGISTRY COPYRIGHT 2005 ACS on STN
RN 396724-35-9 REGISTRY
CN Piperazine, 1-[[3-[3-(1,1-dimethylethyl)-4,7-dihydro-1-methyl-7-oxo-1H-pyrazolo[4,3-d]pyrimidin-5-yl]-4-ethoxyphenyl]sulfonyl]- (9CI) (CA INDEX NAME)
FS 3D CONCORD
MF C22 H30 N6 O4 S
SR Chemical Library
LC STN Files: CHEMCATS



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L9 ANSWER 4 OF 6 REGISTRY COPYRIGHT 2005 ACS on STN
RN 139755-93-4 REGISTRY
CN Piperazine, 1-[[3-(4,7-dihydro-1,3-dimethyl-7-oxo-1H-pyrazolo[4,3-d]pyrimidin-5-yl)-4-ethoxyphenyl]sulfonyl]- (9CI) (CA INDEX NAME)
OTHER CA INDEX NAMES:
CN 1H-Pyrazolo[4,3-d]pyrimidine, piperazine deriv.
FS 3D CONCORD
MF C19 H24 N6 O4 S
SR CA
LC STN Files: CA, CAPLUS, TOXCENTER, USPAT2, USPATFULL
DT.CA Caplus document type: Patent
RL.P Roles from patents: BIOL (Biological study); PREP (Preparation); USES (Uses)

Thomas McKenzie



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

3 REFERENCES IN FILE CA (1907 TO DATE)

3 REFERENCES IN FILE CAPLUS (1907 TO DATE)

REFERENCE 1: 136:335540 Use of PDE V inhibitors for improved fecundity in mammals. Westbrook, Simon Lempriere; Zanzinger, Johannes Friedrich (Pfizer Limited, UK; Pfizer Inc.). Eur. Pat. Appl. EP 1199070 A2 20020424, 20 pp. DESIGNATED STATES: R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR. (English). CODEN: EPXXDW. APPLICATION: EP 2001-308684 20011011. PRIORITY: GB 2000-25782 20001020.

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI EP 1199070	A2	20020424	EP 2001-308684	20011011
EP 1199070	A3	20040317		
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR				
CA 2359383	AA	20020420	CA 2001-2359383	20011018
US 2003018036	A1	20030123	US 2001-982445	20011018
US 6548508	B2	20030415		
JP 2002220346	A2	20020809	JP 2001-322195	20011019
ZA 2001008617	A	20030422	ZA 2001-8617	20011019
US 2003018037	A1	20030123	US 2002-229534	20020827
US 6743799	B2	20040601		
US 2004167095	A1	20040826	US 2004-778866	20040212

REFERENCE 2: 134:222726 Preparation of phenyl purinone derivatives for the treatment of precancerous lesions. Piazza, Gary A.; Pamukcu, Rifat (Cell Pathways, Inc., USA). U.S. US 6200980 B1 20010313, 31 pp., Cont. of U. S. Ser. No. 472,804. (English). CODEN: USXXAM. APPLICATION: US 1997-842854 19970417. PRIORITY: US 1995-472804 19950607.

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI US 6200980	B1	20010313	US 1997-842854	19970417

REFERENCE 3: 116:255626 Preparation of pyrazolo[4,3-d]pyrimidin-7-ones as cardiovascular agents. Bell, Andrew Simon; Brown, David; Terrett, Nicholas Kenneth (Pfizer Ltd., UK; Pfizer Inc.). Eur. Pat. Appl. EP 463756 A1 19920102, 26 pp. DESIGNATED STATES: R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE. (English). CODEN: EPXXDW. APPLICATION: EP 1991-305137 19910607. PRIORITY: GB 1990-13750 19900620.

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI EP 463756	A1	19920102	EP 1991-305137	19910607
EP 463756	B1	19950419		

Thomas McKenzie

R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE

AT 121403	E	19950515	AT 1991-305137	19910607
ES 2071919	T3	19950701	ES 1991-305137	19910607
IL 98482	A1	19951127	IL 1991-98482	19910613
CA 2044748	AA	19911221	CA 1991-2044748	19910617
CA 2044748	C	19980203		
NO 9102366	A	19911223	NO 1991-2366	19910618
NO 178029	B	19951002		
NO 178029	C	19960110		
PL 166490	B1	19950531	PL 1991-290721	19910618
FI 9103017	A	19911221	FI 1991-3017	19910619
FI 95132	B	19950915		
FI 95132	C	19951227		
CN 1057464	A	19920101	CN 1991-104162	19910619
CN 1028758	B	19950607		
BR 9102560	A	19920121	BR 1991-2560	19910619
AU 9179155	A1	19920319	AU 1991-79155	19910619
AU 626757	B2	19920806		
ZA 9104707	A	19930224	ZA 1991-4707	19910619
JP 06041133	A2	19940215	JP 1991-147304	19910619
JP 07121945	B4	19951225		
CZ 279289	B6	19950412	CZ 1991-1876	19910619
RU 2047617	C1	19951110	RU 1991-4895624	19910619
RU 2114114	C1	19980627	RU 1991-5052507	19910619
HU 61312	A2	19921228	HU 1991-2061	19910620
HU 218945	B	20010129		
US 5250534	A	19931005	US 1992-882988	19920514
US 5346901	A	19940913	US 1993-84827	19930629
US 5719283	A	19980217	US 1994-265295	19940624

L9 ANSWER 5 OF 6 REGISTRY COPYRIGHT 2005 ACS on STN

RN 139755-86-5 REGISTRY

CN Piperazine, 1-[[3-(4,7-dihydro-1-methyl-7-oxo-3-propyl-1H-pyrazolo[4,3-d]pyrimidin-5-yl)-4-propoxyphenyl]sulfonyl]- (9CI) (CA INDEX NAME)

OTHER CA INDEX NAMES:

CN 1H-Pyrazolo[4,3-d]pyrimidine, piperazine deriv.

OTHER NAMES:

CN 1-Methyl-5-[5-(piperazinylsulfonyl)-2-propoxyphenyl]-3-propyl-1,6-dihydro-7H-pyrazolo[4,3-d]pyrimidin-7-one

FS 3D CONCORD

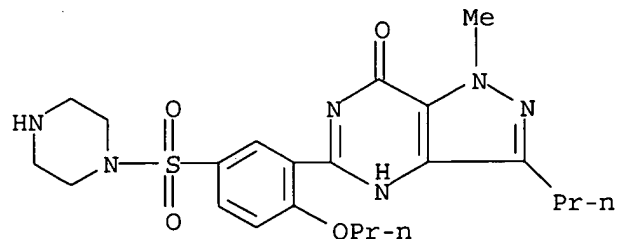
MF C22 H30 N6 O4 S

SR CA

LC STN Files: CA, CAPLUS, TOXCENTER, USPAT2, USPATFULL

DT.CA Caplus document type: Patent

RL.P Roles from patents: BIOL (Biological study); PREP (Preparation); USES (Uses)



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

5 REFERENCES IN FILE CA (1907 TO DATE)

5 REFERENCES IN FILE CAPLUS (1907 TO DATE)

REFERENCE 1: 136:335540 Use of PDE V inhibitors for improved fecundity in mammals. Westbrook, Simon Lempriere; Zanzinger, Johannes Friedrich (Pfizer Limited, UK; Pfizer Inc.). Eur. Pat. Appl. EP 1199070 A2 20020424, 20 pp. DESIGNATED STATES: R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR. (English). CODEN: EPXXDW. APPLICATION: EP 2001-308684 20011011. PRIORITY: GB 2000-25782 20001020.

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	EP 1199070	A2	20020424	EP 2001-308684	20011011
	EP 1199070	A3	20040317		
	R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR				
	CA 2359383	AA	20020420	CA 2001-2359383	20011018
	US 2003018036	A1	20030123	US 2001-982445	20011018
	US 6548508	B2	20030415		
	JP 2002220346	A2	20020809	JP 2001-322195	20011019
	ZA 2001008617	A	20030422	ZA 2001-8617	20011019
	US 2003018037	A1	20030123	US 2002-229534	20020827
	US 6743799	B2	20040601		
	US 2004167095	A1	20040826	US 2004-778866	20040212

REFERENCE 2: 134:222726 Preparation of phenyl purinone derivatives for the treatment of precancerous lesions. Piazza, Gary A.; Pamukcu, Rifat (Cell Pathways, Inc., USA). U.S. US 6200980 B1 20010313, 31 pp., Cont. of U. S. Ser. No. 472,804. (English). CODEN: USXXAM. APPLICATION: US 1997-842854 19970417. PRIORITY: US 1995-472804 19950607.

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	US 6200980	B1	20010313	US 1997-842854	19970417

REFERENCE 3: 134:141774 Methods, pharmaceutical compositions comprising cyclic guanosine 3',5'-monophosphate phosphodiesterase type 5 inhibitors for prophylactic and treatment of diseases and conditions of the eye. Laties, Alan Malev (Pfizer Products Inc., USA). Eur. Pat. Appl. EP 1074258 A2 20010207, 9 pp. DESIGNATED STATES: R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO. (English). CODEN: EPXXDW. APPLICATION: EP 2000-306235 20000721. PRIORITY: US 1999-PV146095 19990728.

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	EP 1074258	A2	20010207	EP 2000-306235	20000721
	EP 1074258	A3	20010418		
	R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO				
	JP 2001048788	A2	20010220	JP 2000-222162	20000724
	AU 768750	B2	20040108	AU 2000-48789	20000724
	CA 2314571	AA	20010128	CA 2000-2314571	20000726
	ZA 2000003768	A	20020128	ZA 2000-3768	20000726
	NZ 518594	A	20030829	NZ 2000-518594	20000727
	US 2002119974	A1	20020829	US 2002-126375	20020419

REFERENCE 4: 133:22405 Preventives containing 1,6-dihydro-7H-pyrazolo[4,3-

d]pyrimidin-7-one derivatives and related compounds for nitric acid-induced tolerance. Ellis, Peter (Pfizer Inc., USA). Jpn. Kokai Tokkyo Koho JP 2000159672 A2 20000613, 31 pp. (Japanese). CODEN: JKXXAF. APPLICATION: JP 1999-337606 19991129. PRIORITY: US 1998-PV110335 19981130.

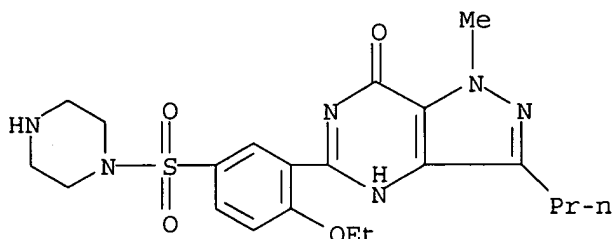
	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	JP 2000159672	A2	20000613	JP 1999-337606	19991129
	US 6225315	B1	20010501	US 1999-442821	19991118
	EP 1022026	A2	20000726	EP 1999-309406	19991125
	EP 1022026	A3	20020410		
	R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO				
	CA 2290766	C	20030204	CA 1999-2290766	19991126
	ZA 9907371	A	20010529	ZA 1999-7371	19991129
	NZ 515501	A	20030829	NZ 1999-515501	19991129
	AU 9961788	A1	20000601	AU 1999-61788	19991130
	AU 767452	B2	20031113		
	KR 2000035774	A	20000626	KR 1999-53785	19991130

REFERENCE 5: 116:255626 Preparation of pyrazolo[4,3-d]pyrimidin-7-ones as cardiovascular agents. Bell, Andrew Simon; Brown, David; Terrett, Nicholas Kenneth (Pfizer Ltd., UK; Pfizer Inc.). Eur. Pat. Appl. EP 463756 A1 19920102, 26 pp. DESIGNATED STATES: R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE. (English). CODEN: EPXXDW. APPLICATION: EP 1991-305137 19910607. PRIORITY: GB 1990-13750 19900620.

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	EP 463756	A1	19920102	EP 1991-305137	19910607
	EP 463756	B1	19950419		
	R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE				
	AT 121403	E	19950515	AT 1991-305137	19910607
	ES 2071919	T3	19950701	ES 1991-305137	19910607
	IL 98482	A1	19951127	IL 1991-98482	19910613
	CA 2044748	AA	19911221	CA 1991-2044748	19910617
	CA 2044748	C	19980203		
	NO 9102366	A	19911223	NO 1991-2366	19910618
	NO 178029	B	19951002		
	NO 178029	C	19960110		
	PL 166490	B1	19950531	PL 1991-290721	19910618
	FI 9103017	A	19911221	FI 1991-3017	19910619
	FI 95132	B	19950915		
	FI 95132	C	19951227		
	CN 1057464	A	19920101	CN 1991-104162	19910619
	CN 1028758	B	19950607		
	BR 9102560	A	19920121	BR 1991-2560	19910619
	AU 9179155	A1	19920319	AU 1991-79155	19910619
	AU 626757	B2	19920806		
	ZA 9104707	A	19930224	ZA 1991-4707	19910619
	JP 06041133	A2	19940215	JP 1991-147304	19910619
	JP 07121945	B4	19951225		
	CZ 279289	B6	19950412	CZ 1991-1876	19910619
	RU 2047617	C1	19951110	RU 1991-4895624	19910619
	RU 2114114	C1	19980627	RU 1991-5052507	19910619
	HU 61312	A2	19921228	HU 1991-2061	19910620
	HU 218945	B	20010129		
	US 5250534	A	19931005	US 1992-882988	19920514
	US 5346901	A	19940913	US 1993-84827	19930629
	US 5719283	A	19980217	US 1994-265295	19940624

10/736,732

L9 ANSWER 6 OF 6 REGISTRY COPYRIGHT 2005 ACS on STN
RN 139755-82-1 REGISTRY
CN Piperazine, 1-[[3-(4,7-dihydro-1-methyl-7-oxo-3-propyl-1H-pyrazolo[4,3-d]pyrimidin-5-yl)-4-ethoxyphenyl]sulfonyl]- (9CI) (CA INDEX NAME)
OTHER CA INDEX NAMES:
CN 1H-Pyrazolo[4,3-d]pyrimidine, piperazine deriv.
OTHER NAMES:
CN desmethylsildenafil
CN UK 103320
FS 3D CONCORD
MF C21 H28 N6 O4 S
CI COM
SR CA
LC STN Files: ANABSTR, BIOSIS, CA, CAPLUS, CASREACT, CHEMCATS, TOXCENTER, USPAT2, USPATFULL
DT.CA Caplus document type: Journal; Patent
RL.P Roles from patents: ANST (Analytical study); BIOL (Biological study); PREP (Preparation); RACT (Reactant or reagent); USES (Uses)
RL.NP Roles from non-patents: ANST (Analytical study); BIOL (Biological study); FORM (Formation, nonpreparative); OCCU (Occurrence); PROC (Process); PRP (Properties); USES (Uses)



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

44 REFERENCES IN FILE CA (1907 TO DATE)
44 REFERENCES IN FILE CAPLUS (1907 TO DATE)

REFERENCE 1: 142:170008 Simultaneously detecting method of sildenafil and uk-103,320 as metabolite thereof in blood plasma. Jung, Bong Cheol; Jung, Byeong Hwa (Korea Institute of Science and Technology, S. Korea). Repub. Korean Kongkae Taeho Kongbo KR 2003090297 A 20031128, No pp. given (Korean). CODEN: KRXXA7. APPLICATION: KR 2002-28350 20020522.

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	KR 2003090297	A	20031128	KR 2002-28350	20020522

REFERENCE 2: 141:423476 Structure elucidation of sildenafil analogues in herbal products. Blok-Tip, L.; Zomer, B.; Bakker, F.; Hartog, K. D.; Hamzink, M.; ten Hove, J.; Vredendregt, M.; de Kaste, D. (KCF (Centre for Quality of Chemical-Pharmaceutical Products), Bilthoven, NL-3720 BA, Neth.). Food Additives & Contaminants, 21(8), 737-748 (English) 2004. CODEN: FACOEB. ISSN: 0265-203X. Publisher: Taylor & Francis Ltd..

Thomas McKenzie

REFERENCE 3: 141:395572 An improved preparation of pyrazolopyrimidine derivative, useful as cardiovascular agent. Mody, Shirish Bhagwanlal; Doshi, Madhukant Mansukhlal; Shrikande, Atul Anant (J. B. Chemicals and Pharmaceuticals Ltd., India). Russ. RU 2239637 C1 20041110, No pp. given (Russian). CODEN: RUXXE7. APPLICATION: RU 2003-121784 20030717.

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	RU 2239637	C1	20041110	RU 2003-121784	20030717
	ZA 2003005330	A	20030710	ZA 2003-5330	20030710

REFERENCE 4: 141:199838 The pharmacokinetics and hemodynamics of sildenafil citrate in male hemodialysis patients. Grossman, Eric B.; Swan, Suzanne K.; Muirhead, Gary J.; Gaffney, Michael; Chung, Menger; de Riesthal, Herb; Chow, Diane; Raij, Leopoldo (Pfizer, Inc., New York, NY, USA). Kidney International, 66(1), 367-374 (English) 2004. CODEN: KDYIA5. ISSN: 0085-2538. Publisher: Blackwell Publishing, Inc..

REFERENCE 5: 140:263665 The effect of age on sildenafil biotransformation in rat and mouse liver microsomes. Warrington, Jill, S.; von Moltke, Lisa L.; Harmatz, Jerold S.; Shader, Richard I.; Greenblatt, David J. (Department of Pharmacology and Experimental Therapeutics, Tufts University School of Medicine and Tufts-New England Medical Center, Boston, MA, USA). Drug Metabolism and Disposition, 31(11), 1306-1309 (English) 2003. CODEN: DMDSAI. ISSN: 0090-9556. Publisher: American Society for Pharmacology and Experimental Therapeutics.

REFERENCE 6: 140:192088 Determination of sildenafil citrate (viagra) and its metabolite (UK-103,320) by square-wave and adsorptive stripping square-wave voltammetry. Total determination in biological samples. Rodriguez, J.; Berzas, J. J.; Castaneda, G.; Rodriguez, N. (Facultad de Quimicas, Departamento de Quimica Analitica y Tecnologia de Alimentos, Universidad de Castilla-La Mancha, Ciudad Real, E-13071, Spain). Talanta, 62(2), 427-432 (English) 2004. CODEN: TLNTA2. ISSN: 0039-9140. Publisher: Elsevier Science B.V..

REFERENCE 7: 139:374792 Sildenafil, N-desmethyl-sildenafil, and Zaprinas enhance photoreceptor response in the isolated rat retina. Barabas, Peter; Riedl, Zsuzsanna; Kardos, Julianna (Chemical Research Center, Institute of Chemistry, Department of Neurochemistry, Hungarian Academy of Sciences, Budapest, 1025, Hung.). Neurochemistry International, 43(6), 591-595 (English) 2003. CODEN: NEUIDS. ISSN: 0197-0186. Publisher: Elsevier Science B.V..

REFERENCE 8: 139:357905 Simultaneous determination of sildenafil and its active metabolite UK-103,320 in human plasma using liquid chromatography-tandem mass spectrometry. Kim, John; Ji, HyeYoung; Kim, Sook Jin; Lee, Hye Won; Lee, Seung-Seok; Kim, Dong Sung; Yoo, Moohi; Kim, Won Bae; Lee, Hye Suk (Faculty of Pharmaceutical Sciences, University of British Columbia, Vancouver, BC, V6T 1Z3, Can.). Journal of Pharmaceutical and Biomedical Analysis, 32(2), 317-322 (English) 2003. CODEN: JPBADA. ISSN: 0731-7085. Publisher: Elsevier Science B.V..

REFERENCE 9: 139:270161 An ionic liquid coating for determination of sildenafil and UK-103,320 in human serum by capillary zone electrophoresis-ion trap mass spectrometry. Qin, Weidong; Li, Sam F. Y. (Department of Chemistry, National University of Singapore, 119260, Singapore). Electrophoresis, 23(24), 4110-4116 (English) 2002. CODEN: ELCTDN. ISSN: 0173-0835. Publisher: Wiley-VCH Verlag GmbH & Co. KGaA.

10/736,732

REFERENCE 10: 138:265058 Development of a capillary gas chromatographic method with flame ionization detection for the simultaneous determination of sildenafil and its N-demethylated metabolite in biological fluids. Nevado, J. J. Berzas; Llerena, M. J. Villasenor; Salcedo, A. M. Contento; Flores, Juana Rodriguez (Department of Analytical Chemistry and Food Technology, University of Castilla-La Mancha, Ciudad Real, 13071, Spain). Journal of Separation Science, 25(12), 767-772 (English) 2002. CODEN: JSSCCJ. ISSN: 1615-9306. Publisher: Wiley-VCH Verlag GmbH.

=> FIL REGISTRY

FILE 'REGISTRY' ENTERED AT 13:12:12 ON 01 MAR 2005
USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.
PLEASE SEE "HELP USAGETERMS" FOR DETAILS.
COPYRIGHT (C) 2005 American Chemical Society (ACS)

Property values tagged with IC are from the ZIC/VINITI data file provided by InfoChem.

STRUCTURE FILE UPDATES: 27 FEB 2005 HIGHEST RN 838819-79-7
DICTIONARY FILE UPDATES: 27 FEB 2005 HIGHEST RN 838819-79-7

TSCA INFORMATION NOW CURRENT THROUGH JANUARY 18, 2005

Please note that search-term pricing does apply when conducting SmartSELECT searches.

Crossover limits have been increased. See HELP CROSSOVER for details.

Experimental and calculated property data are now available. For more information enter HELP PROP at an arrow prompt in the file or refer to the file summary sheet on the web at:
<http://www.cas.org/ONLINE/DBSS/registryss.html>

=> SET TERMSET E#

SET COMMAND COMPLETED

=> DEL SEL Y

=> SEL L9 6 RN

E1 THROUGH E1 ASSIGNED

=> S E1/RN

L10 1 139755-82-1/RN

=> SET TERMSET LOGIN

SET COMMAND COMPLETED

=> FIL USPATFULL

FILE 'USPATFULL' ENTERED AT 13:12:16 ON 01 MAR 2005
CA INDEXING COPYRIGHT (C) 2005 AMERICAN CHEMICAL SOCIETY (ACS)

Thomas McKenzie

10/736,732

FILE COVERS 1971 TO PATENT PUBLICATION DATE: 1 Mar 2005 (20050301/PD)
FILE LAST UPDATED: 1 Mar 2005 (20050301/ED)
HIGHEST GRANTED PATENT NUMBER: US6862742
HIGHEST APPLICATION PUBLICATION NUMBER: US2005044601
CA INDEXING IS CURRENT THROUGH 1 Mar 2005 (20050301/UPCA)
ISSUE CLASS FIELDS (/INCL) CURRENT THROUGH: 1 Mar 2005 (20050301/PD)
REVISED CLASS FIELDS (/NCL) LAST RELOADED: Dec 2004
USPTO MANUAL OF CLASSIFICATIONS THESAURUS ISSUE DATE: Dec 2004

>>> USPAT2 is now available. USPATFULL contains full text of the <<<
>>> original, i.e., the earliest published granted patents or <<<
>>> applications. USPAT2 contains full text of the latest US <<<
>>> publications, starting in 2001, for the inventions covered in <<<
>>> USPATFULL. A USPATFULL record contains not only the original <<<
>>> published document but also a list of any subsequent <<<
>>> publications. The publication number, patent kind code, and <<<
>>> publication date for all the US publications for an invention <<<
>>> are displayed in the PI (Patent Information) field of USPATFULL <<<
>>> records and may be searched in standard search fields, e.g., /PN, <<<
>>> /PK, etc. <<<

>>> USPATFULL and USPAT2 can be accessed and searched together <<<
>>> through the new cluster USPATALL. Type FILE USPATALL to <<<
>>> enter this cluster. <<<
>>> <<<
>>> Use USPATALL when searching terms such as patent assignees, <<<
>>> classifications, or claims, that may potentially change from <<<
>>> the earliest to the latest publication. <<<

This file contains CAS Registry Numbers for easy and accurate
substance identification.

=> S L10

L11 14 L10

=> sort l11 py
SORT ENTIRE ANSWER SET? (Y)/N:.
PROCESSING COMPLETED FOR L11
L12 14 SORT L11 PY

=> d 1-14 pi

L12 ANSWER 1 OF 14 USPATFULL on STN
PI US 5250534-1 only 19931005

L12 ANSWER 2 OF 14 USPATFULL on STN
PI ~~US 5946901~~ only 19940913

L12 ANSWER 3 OF 14 USPATFULL on STN
PI ~~US 5719281~~ 19980217

L12 ANSWER 4 OF 14 USPATFULL on STN
PI US 6225315-1 only B1 20010501

L12 ANSWER 5 OF 14 USPATFULL on STN
PI US 6200980-1 only B1 20010313

L12 ANSWER 6 OF 14 USPATFULL on STN

Thomas McKenzie

10/736,732

PI US 2002119974 A1 20020829

L12 ANSWER 7 OF 14 USPATFULL on STN

PI US 2002010198 A1 20020124
~~US 6743799~~ B2 20021105

L12 ANSWER 8 OF 14 USPATFULL on STN

PI US 2002006964 A1 20020117

L12 ANSWER 9 OF 14 USPATFULL on STN

PI US 2002006963 A1 20020117

L12 ANSWER 10 OF 14 USPATFULL on STN

PI US 2003078303 A1 20030424

L12 ANSWER 11 OF 14 USPATFULL on STN

PI US 2003018037 A1 20030123
~~US 6743799~~ B2 20040601

L12 ANSWER 12 OF 14 USPATFULL on STN

PI US 2003018036 A1 20030123
~~US 6743799~~ B2 20030415

L12 ANSWER 13 OF 14 USPATFULL on STN

PI US 2004167095 A1 20040826

L12 ANSWER 14 OF 14 USPATFULL on STN

PI ~~US 2004166629~~ A1 20040603

=> logoff

ALL L# QUERIES AND ANSWER SETS ARE DELETED AT LOGOFF

LOGOFF? (Y)/N/HOLD: .

STN INTERNATIONAL LOGOFF AT 13:14:10 ON 01 MAR 2005

Thomas McKenzie